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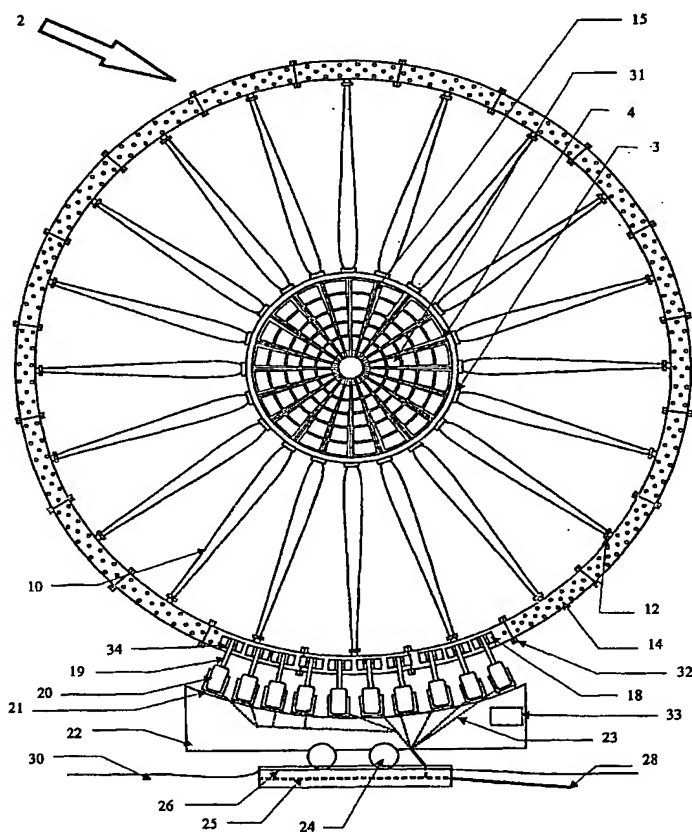
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(54) Title: WIND TURBINE WITH FRICTION DRIVE POWER TAKE OFF ON OUTER RIM



(57) Abstract: A wind turbine has multiple blades (10) that are mounted on a shaft (19) with a ring around a circumference of the blades. There are tires (18) that are arranged to be in contact or out of contact with the ring. The tires draw generators when the tires are in contact with the ring and the ring is rotating. A controller monitors the wind conditions and controls the turbine to produce electricity or other-energy output or to shut down if the wind falls below a predetermined level.



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